SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4921
CALIBRATION DATE: 28-Feb-07

SBE 37 PRESSURE CALIBRATION DATA
508 psia S/N 10021

COEFFICIENTS:

PA0 =	5.271424e-002	PTCA0 =	2.541592e+001
PA1 =	2.393267e-002	PTCA1 =	2.870960e-001
PA2 =	2.782145e-009	PTCA2 =	-8.749908e-003
		PTCB0 =	2.513688e+001
		PTCB1 =	-8.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.50	631.0	20.6	14.50	0.00
104.78	4397.7	20.6	104.76	-0.00
204.76	8566.5	20.6	204.75	-0.00
304.75	12731.5	20.6	304.75	-0.00
404.73	16892.1	20.6	404.73	-0.00
504.71	21048.0	20.7	504.70	-0.00
404.73	16892.5	20.7	404.74	0.00
304.75	12731.8	20.8	304.76	0.00
204.76	8567.0	20.8	204.77	0.00
104.80	4399.0	20.8	104.80	-0.00
14.50	631.3	20.7	14.51	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	673.30	-5.00	25.14
29.00	674.30	35.00	25.11
24.00	675.20		
18.50	675.70		
15.00	675.60		
4.50	674.10		
1.00	673.80		

x = pressure output - PTCA0 - PTCA1 * t - PTCA2 * t^2

$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$

pressure (psia) = PA0 + PA1 * n + PA2 * n^2